

Approved for use through 07/31/2006 OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number

Complete if Known

Application Number	10/694,289
Filing Date	October 27, 2003
First Named Inventor	Hughett
Art Unit	1743
Examiner Name	unknown
Attorney Docket Number	0341-0003.16

(Use as many sheets as necessary)

Sheet 11

of 12

[illegible]

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ "Number" ⁴ "Kind Code" (if known)			
	4	DE 1095903	11-28-00		English Abstract
	5	GB 1219604	01-20-71	Nuclea-Nuclear Eng	
	6	SU 279014	07-25-76		
	7	GB 1550127	12-03-85	Van't Hooft	

/Samuel Gilbert/

Date _____

Considered

09/26/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 601.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2

American LegalNet, Inc.
www.USCourtForms.com

Approved for use through 07/31/2006 OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMR control number

Complete if Known

Application Number	10/694,289
Filing Date	October 27, 2003
First Named Inventor	Hughett
Art Unit	1743
Examiner Name	unknown
Attorney Docket Number	0341-0003.16

(Use as many sheets as necessary)

Sheet

2

of

2

[illegible]

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Country Code ³ Number ⁴ Kind Code ⁵ (If known)				
	8	CA 11978631	12-03-89	Ontario Cancer Institute		

**Examiner
Signature**

/Samuel Gilbert/

Date _____

Date Considered

09/26/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST: 16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

American LegalNet, Inc.
www.UBCourtForms.com

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no Persons are required to respond to a collection of information unless it contains a valid OMB control number

Complete if Known

Application Number	10/694,289
Filing Date	October 27, 2003
First Named Inventor	Hughett
Art Unit	1743
Examiner Name	unknown
Attorney Docket Number	0341-0003.16

Use as many sheets as necessary)

Sheet 1

of 11

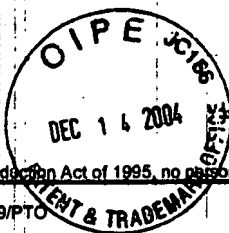
[illegible]

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ² "Number" ³ "Kind Code" ⁴ (if known)				
	3	EP 0 672 401	09-20-1995	Eshel		

09/26/2007

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

American LegalNet, Inc.
www.USCourtForms.com



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/694,289
Filing Date	October 27, 2003
First Named Inventor	Hughett, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	0341-0003.16

Sheet 1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/S.G./		US- 4,806,182	02-21-1989	Rydell, et al.	
		US- 4,976,720	12-11-1990	Machold, et al.	
		US- 5,624,392	04-29-1997	Saab	
		US- 5,947,977	09-07-1999	Slepian, et al.	
		US- 6,234,995	05-22-2001	Peacock	
		US- 6,283,921	09-04-2001	Nix, et al.	
/S.G./		US- 6,540,734	04-01-2003	Chiu, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ³ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner
Signature

/Samuel Gilbert/

Date
Considered

09/26/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: the Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SEP 07 2004

Complete if Known

Sheet 1 of 1

Application Number 10/694,289
 Filing Date October 27, 2003
 First Named Inventor J. David Hughett
 Art Unit 1743
 Examiner Name
 Attorney Docket Number 0341-0003.16

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/S.G./	1	US- 4,904,245	02-27-1990	Chen et al.	
	2	US- 5,246,016	09-21-1993	Lieber et al.	
	3	US- 5,345,936	09-13-1994	Pomeranz et al.	
	4	US- 5,383,853	01-24-1995	Jung et al.	
	5	US- 5,417,653	05-23-1995	Sahota et al.	
	6	US- 5,514,092	05-07-1996	Forman et al.	
	7	US- 5,540,659	07-30-1996	Teirstein	
	8	US- 5,649,909	07-22-1997	Cornelius	
	9	US- 6,179,810	01-30-2001	Wantink et al.	
	10	US- US2001/0016724	08-23-2001	Davis et al.	
	11	US- 6,398,708	06-04-2002	Hastings et al.	
	12	US- 6,413,203	07-02-2002	Sahatjian	
/S.G./	13	US- 6,607,477	08-19-2003	Longton et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

Examiner Signature	/Samuel Gilbert/	Date Considered	09/26/2007
--------------------	------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ F or Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

10/22/2003

822
9/26/07

LIST OF PUBLICATIONS CITED BY APPLICANT			Atty. Docket No. 0341-0003.16.	Serial No. Not Assigned			
			Applicant James D. HUGHETT et al				
			Filing Date Herewith	Group			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
/S.G./	2,750,517	06/12/56	Baum			12/21/53	
	2,965,761	12/20/60	Horvath			09/11/57	
	3,088,032	04/30/63	Brunton			07/27/59	
	3,532,888	10/06/70	Masefield et al			11/19/63	
	4,233,517	11/11/80	van't Hooft			12/13/78	
	4,584,991	04/29/86	Tokita et al			12/15/83	
	4,733,653	03/29/88	Leung et al			11/25/85	
	4,745,907	05/24/88	Russel, Jr. et al			09/16/87	
	5,030,194	07/09/91	van't Hooft			11/15/89	
	5,032,113	07/16/91	Burns			04/13/89	
	5,103,395	04/07/92	Spako et al			08/20/90	
	5,147,282	09/15/92	Kan			10/09/90	
	5,533,969	07/09/96	Mulder			07/18/94	
	5,683,345	11/04/97	Waksman et al			10/27/94	
	5,776,091	07/1998	Brugger et al	604	29		
	5,800,383	09/1998	Chandler et al	604	35		
	5,851,172	12/22/98	Bueche			05/08/95	
	5,899,882	05/04/99	Waksman et al			04/04/96	
	6,013,020	01/11/00	Meloul et al			09/23/97	
	6,048,300	04/11/00	Thornton et al			07/03/97	
/S.G./	6,077,055	06/2000	Vilks	417	44.2		
	6,358,237	03/2002	Paukovits et al	604	151		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	NAME	English Abstract	English Trans.	FILING DATE	
/S.G./	DE 1095963	12/29/60	Nuclesa-Nuclear Eng	X		07/15/59	
	GB 1219604	01/20/71				07/15/68	
	SU 279814	07/25/75	van't Hooft Ontario Cancer Institute			08/22/77	
	GB 1558127	12/19/79				07/21/82	
/S.G./	CA 1197631	12/03/85					

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS
(Including Author, Title, Date, Pertinent Pages)

/S.G./

International Search Report re Application No. PCT/US99/30000, dated May 31, 2000.

EXAMINER:

/Samuel Gilbert/

DATE CONSIDERED:

09/26/2007

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.